

SEQUENCE LISTING

| M | 110> | Cohen, Stanley N. Li, Limin | |
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| - | | US 10/697,720 2003-10-29 | |
| | | US 09/804,690 2001-03-12 | |
| | | US 09/146,187 1998-09-01 | |
| | | US 08/977,818 1997-11-25 | |
| | | US 08/670,274 1996-06-13 | |
| | | US 08/585,758 1996-01-16 | |
| | <150> | US 60/006,856 1995-11-16 | |
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| | <170> | PatentIn version 3.3 | |
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| | | e atc gct atg tac aaa gat ctc aaa cct gta ttg gat tca tat l Ile Ala Met Tyr Lys Asp Leu Lys Pro Val Leu Asp Ser Tyr 20 25 30 | 156 |
| | | t aat gat ggc agt tcc agg gag ctg gtg aac ctc act ggt aca e Asn Asp Gly Ser Ser Arg Glu Leu Val Asn Leu Thr Gly Thr | 204 |

35 40 45

| | | | cga Arg | | | | | | | 252 |
|---|---|--|-------------------|--|---|---|--|---|---|-----|
| | | | tac Tyr 70 | | | | | | | 300 |
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| | | | cct Pro | | | | | | | 396 |
| | | | att Ile | | | | | | | 444 |
| | | | cgg Arg | | _ | _ | | | | 492 |
| | _ | | cca Pro 150 | | | _ | | _ | - | 540 |
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| | | | gag Glu | | | | | | | 732 |
| | | | aga Arg 230 | | | | | | | 780 |
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| | | | aac Asn | | | | | | | 924 |

| 275 | | 280 | 285 | |
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| | | aca gcc cca ctg ta Thr Ala Pro Leu Ty 315 | | 1020 |
| | | gct att gaa gac ac Ala Ile Glu Asp Th 330 | | 1068 |
| | | gtc ata gac ctg ga Val Ile Asp Leu As 345 | | 1116 |
| | | aaa cag ttc cag ct Lys Gln Phe Gln Le 360 | | 1164 |
| | | ggc ctt agt gac ct Gly Leu Ser Asp Le 38 | eu Tyr | 1213 |
| tgtcagctgg a | agaccgacct ctccgt | aaag cattctttc tt | cttctttt tctcatcagt | 1273 |
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| tatattttct g | tttcctttg ggtaaa | aaact ggcttttatt aa | tgcacttt ctaccctctg | 1393 |
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| Asn Val Ile | Ala Met Tyr Lys 20 | Asp Leu Lys Pro Va 25 | l Leu Asp Ser Tyr 30 | |

Ile Pro Val Arg Tyr Arg Gly Asn Ile Tyr Asn Ile Pro Ile Cys Leu 50 60

Val Phe Asn Asp Gly Ser Ser Arg Glu Leu Val Asn Leu Thr Gly Thr

Trp Leu Leu Asp Thr Tyr Pro Tyr Asn Pro Pro Ile Cys Phe Val Lys Pro Thr Ser Ser Met Thr Ile Lys Thr Gly Lys His Val Asp Ala Asn Gly Lys Ile Tyr Leu Pro Tyr Leu His Asp Trp Lys His Pro Arg Ser Glu Leu Leu Glu Leu Ile Gln Ile Met Ile Val Ile Phe Gly Glu Glu Pro Pro Val Phe Ser Arg Pro Thr Val Ser Ala Ser Tyr Pro Pro Tyr Thr Ala Thr Gly Pro Pro Asn Thr Ser Tyr Met Pro Gly Met Pro Ser Gly Ile Ser Ala Tyr Pro Ser Gly Tyr Pro Pro Asn Pro Ser Gly Tyr Pro Gly Cys Pro Tyr Pro Pro Ala Gly Pro Tyr Pro Ala Thr Thr Ser Ser Gln Tyr Pro Ser Gln Pro Pro Val Thr Thr Val Gly Pro Ser Arg Asp Gly Thr Ile Ser Glu Asp Thr Ile Arg Ala Ser Leu Ile Ser Ala Val Ser Asp Lys Leu Arg Trp Arg Met Lys Glu Glu Met Asp Gly Ala Gln Ala Glu Leu Asn Ala Leu Lys Arg Thr Glu Glu Asp Leu Lys Lys Gly His Gln Lys Leu Glu Glu Met Val Thr Arg Leu Asp Gln Glu Val Ala Glu Val Asp Lys Asn Ile Glu Leu Leu Lys Lys Lys Asp Glu Glu Leu Ser Ser Ala Leu Glu Lys Met Glu Asn Gln Ser Glu Asn Asn Asp

Ile Asp Glu Val Ile Ile Pro Thr Ala Pro Leu Tyr Lys Gln Ile Leu 305 310 315 320

Asn Leu Tyr Ala Glu Glu Asn Ala Ile Glu Asp Thr Ile Phe Tyr Leu 325 330 335

Gly Glu Ala Leu Arg Arg Gly Val Ile Asp Leu Asp Val Phe Leu Lys 340 345 350

His Val Arg Leu Leu Ser Arg Lys Gln Phe Gln Leu Arg Ala Leu Met

Gln Lys Ala Arg Lys Thr Ala Gly Leu Ser Asp Leu Tyr 370 375 380

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| gaagagatgg | ttacccgttt | agatcaagaa | gtagccgagg | ttgataaaaa | catagaactt | 960 |
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| aacaatgata | tcgatgaagt | tatcattccc | acagctccct | tatacaaaca | gatcctgaat | 1080 |
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| atcagtaggt | gcccagaata | agttattgca | gtttatcatt | caagtgtaaa | atattttgaa | 1380 |
| tcaataatat | attttctgtt | ttcttttggt | aaagactggc | ttttattaat | gcactttcta | 1440 |
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Tyr Arg Asp Leu Thr Val Arg Glu Thr Val Asn Val Ile Thr Leu Tyr 20 25 30

Lys Asp Leu Lys Pro Val Leu Asp Ser Tyr Val Phe Asn Asp Gly Ser 35 40 45

Ser Arg Glu Leu Met Asn Leu Thr Gly Thr Ile Pro Val Pro Tyr Arg 50 55 60

Gly Asn Thr Tyr Asn Ile Pro Ile Cys Leu Trp Leu Leu Asp Thr Tyr 65 70 75 80

Pro Tyr Asn Pro Pro Ile Cys Phe Val Lys Pro Thr Ser Ser Met Thr 85 90 95

Ile Lys Thr Gly Lys His Val Asp Ala Asn Gly Lys Ile Tyr Leu Pro
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Tyr Leu His Glu Trp Lys His Pro Gln Ser Asp Leu Leu Gly Leu Ile

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Thr Ser Tyr Met Pro Gly Met Pro Gly Gly Ile Ser Pro Tyr Pro Ser 165 170 175

Gly Tyr Pro Pro Asn Pro Ser Gly Tyr Pro Gly Cys Pro Tyr Pro Pro 180 185 190

Gly Gly Pro Tyr Pro Ala Thr Thr Ser Ser Gln Tyr Pro Ser Gln Pro
195 200 205

Pro Val Thr Thr Val Gly Pro Ser Arg Asp Gly Thr Ile Ser Glu Asp 210 215 220

Thr Ile Arg Ala Ser Leu Ile Ser Ala Val Ser Asp Lys Leu Arg Trp 225 230 235 240

Arg Met Lys Glu Glu Met Asp Arg Ala Gln Ala Glu Leu Asn Ala Leu 245 250 255

Lys Arg Thr Glu Glu Asp Leu Lys Lys Gly His Gln Lys Leu Glu Glu 260 265 270

Met Val Thr Arg Leu Asp Gln Glu Val Ala Glu Val Asp Lys Asn Ile 275 280 285

Glu Leu Leu Lys Lys Lys Asp Glu Glu Leu Ser Ser Ala Leu Glu Lys 290 295 300

Met Glu Asn Gln Ser Glu Asn Asn Asp Ile Asp Glu Val Ile Ile Pro 305 310 315 320

Thr Ala Pro Leu Tyr Lys Gln Ile Leu Asn Leu Tyr Ala Glu Glu Asn 325 330 335

Ala Ile Glu Asp Thr Ile Phe Tyr Leu Gly Glu Ala Leu Arg Arg Gly 340 345 350

Val Ile Asp Leu Asp Val Phe Leu Lys His Val Arg Leu Leu Ser Arg

355 360 365

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